

Duke Energy Carolinas
For the Period February 1, 2010 - December 31, 2013
Docket Number 2012-XXX-E
Exhibit Summary for Rider EE Exhibits and Factors

Exhibit A

Residential Billing Factor

1 Costs to be Recovered for Vintage 1 True-up	V1 Exhibit 1, Line 17	\$	1,129,788	
2 Costs to be Recovered for Vintage 2 True-up	V2 Exhibit 1, Line 15	\$	4,442,854	
3 Total Cost to be Recovered Vintage 1 and Vintage 2 True-ups	Line 1 + Line 2	\$	5,572,642	
4 Projected SC Residential Sales (kWh) for rate period	R4 Exhibit 3, Line 3		6,415,829,548	
5 Revenue Requirement Vintage 1 and Vintage 2 True-up Component for Residential Rider EE (cents per kWh)	Line 3 / Line 4 * 100		0.0869	Application
6 Costs to be Recovered for Vintage 3 Prospective amounts	V3 Exhibit 1, Line 3	\$	2,898,497	
7 Costs to be Recovered for Vintage 4 Prospective amounts	V4 Exhibit 1, Line 11	\$	7,706,655	
8 Total Prospective Components of Residential Revenue Requirement	Lines 6 + 7	\$	10,605,151	
9 Projected SC Residential Sales (kWh) for rate period	R4 Exhibit 3, Line 3		6,415,829,548	
10 Revenue Requirement Vintage 3 and Vintage 4 Prospective Component for Residential Rider EE (cents per kWh)	Line 8 / Line 9 * 100		0.1653	Application
11 Total Revenue Requirement for Residential Rider EE	Line 3 + Line 8	\$	16,177,793	
12 Total Revenue Requirement for Residential Rider EE (cents per kWh)	Line 5 + Line 10		0.2522	Application

Non-Residential Billing Factors for Rider 4 True-Up Components

13 Costs to be Recovered for Vintage 1 True-up - Vintage 1 EE Participant	V1 Exhibit 1, Line 33	\$	2,473,261	
14 Projected Vintage 1 EE Participants SC Non-Residential Sales (kwh) for rate period	R4 Exhibit 3, Line 23		9,744,180,927	
15 EE Revenue Requirement Vintage 1 True-up Non-Residential Rider EE (cents per kWh)	Line 13/line 14 * 100		0.0254	Application
16 Costs to be Recovered for Vintage 2 True-up - Vintage 2 EE Participant	V2 Exhibit 1, Line 29	\$	6,144,693	
17 Projected Vintage 2 EE Participants SC Non-Residential Sales (kwh) for rate period	R4 Exhibit 3, Line 23		9,151,050,009	
18 EE Revenue Requirement Vintage 2 True-up Non-Residential Rider EE (cents per kWh)	Line 16/line 17 * 100		0.0671	Application
19 Costs to be Recovered for Vintage 1 True-up - Vintage 1 DSM Participant	V1 Exhibit 1, Line 33	\$	87,863	
20 Projected Vintage 1 DSM Participants SC Non-Residential Sales (kwh) for rate period	R4 Exhibit 3, Line 23		8,672,408,517	
21 DSM Revenue Requirement Vintage 1 True-up Non-Residential Rider EE (cents per kWh)	Line 19/line 20 * 100		0.0010	Application
22 Costs to be Recovered for Vintage 2 True-up - Vintage 2 DSM Participant	V2 Exhibit 1, Line 29	\$	1,552,345	
23 Projected Vintage 2 DSM Participants SC Non-Residential Sales (kwh) for rate period	R4 Exhibit 3, Line 23		8,381,580,256	
24 DSM Revenue Requirement Vintage 2 True-up Non-Residential Rider EE (cents per kWh)	Line 22/line 23 * 100		0.0185	Application

Non-Residential Billing Factors for Rider 4 Prospective Components

25 Total EE Revenue Requirement - Vintage 3 EE Participant	V3 Exhibit 1, Line 6	\$	1,132,101	
26 Projected Vintage 3 EE Participants SC Non-Residential Sales (kwh) for rate period	R4 Exhibit 3, Line 23		9,443,423,894	
27 EE Revenue Requirement Vintage 3 Lost Revenues Non-Residential Rider EE (cents per kWh)	Line 25/line 26 * 100		0.0120	Application
28 Total EE Revenue Requirement - Vintage 4 EE Participant	V4 Exhibit 1, Line 21	\$	7,530,527	
29 Projected Vintage 4 EE Participants SC Non-Residential Sales (kwh) for rate period	R4 Exhibit 3, Line 23		9,443,423,894	
30 EE Revenue Requirement Vintage 4 Lost Revenues Non-Residential Rider EE (cents per kWh)	Line 28/line 29 * 100		0.0797	Application
31 DSM Revenue Requirement - Vintage 4 DSM Participant	V4 Exhibit 1, Line 21	\$	7,189,670	
32 Projected Vintage 4 DSM Participants SC Non-Residential Sales (kwh) for rate period	R4 Exhibit 3, Line 23		8,370,744,120	
33 DSM Revenue Requirement Vintage 4 Prospective Non-Residential Rider EE (cents per kWh)	Line 31/line 32 * 100		0.0859	Application

Total costs to be recovered in Rider 4 from Non-Residential Customers

13 Costs to be Recovered for Vintage 1 True-up - Vintage 1 EE Participant	V1 Exhibit 1, Line 33	\$	2,473,261	
16 Costs to be Recovered for Vintage 2 True-up - Vintage 2 EE Participant	V2 Exhibit 1, Line 29	\$	6,144,693	
19 Costs to be Recovered for Vintage 1 True-up - Vintage 1 DSM Participant	V1 Exhibit 1, Line 33	\$	87,863	
22 Costs to be Recovered for Vintage 2 True-up - Vintage 2 DSM Participant	V2 Exhibit 1, Line 29	\$	1,552,345	
25 Total EE Revenue Requirement - Vintage 3 EE Participant	V3 Exhibit 1, Line 6	\$	1,132,101	
28 Total EE Revenue Requirement - Vintage 4 EE Participant	V4 Exhibit 1, Line 21	\$	7,530,527	
31 DSM Revenue Requirement - Vintage 4 DSM Participant	V4 Exhibit 1, Line 21	\$	7,189,670	
34 Total Non-Residential Revenue Requirements		\$	26,110,459	Application

RIDER EE (SC)
ENERGY EFFICIENCY RIDERAPPLICABILITY (South Carolina Only)

Service supplied under the Company's rate schedules is subject to approved energy efficiency adjustments over or under the Rate set forth in the approved rate schedules for energy efficiency programs approved by the Public Service Commission of South Carolina (PSCSC).

GENERAL PROVISIONS

This Rider will recover the cost of Duke Energy Carolinas' Save-a-Watt ("SAW") energy efficiency and demand-side management programs, using the method approved by the PSCSC, for programs implemented over a 4 year period (*i.e.*, comprising four 12-month program years or "Vintage Years"). In each year this Rider will include components to recover revenue requirements related to demand-side management and energy efficiency programs implemented in that vintage, as well as lost revenues resulting from the energy efficiency programs. Lost revenues associated with each vintage will be recovered for 36 months upon implementation. As a result the Rider will continue beyond the 4 year period to fully recover lost revenues for programs in years 3 and 4.

Revenue requirements for SAW demand-side management programs will be determined on a system basis and allocated to South Carolina retail customers based on the class contribution to system retail peak demand. Revenue requirements for SAW energy efficiency programs will be determined on a system basis and allocated to all South Carolina retail customer classes based on SC retail contribution to system retail sales. Residential customers will pay for the allocated cost of residential programs; non-residential customers will pay for the allocated cost of non-residential programs.

The Rider will recover the cost of Duke Energy Carolinas' Interruptible Service and Stand-By Generator programs ("Existing DSM Programs") based on the cost of bill credits and amounts paid to customers participating on these programs ("Program Costs"). Revenue requirements will be determined on a system basis and allocated to SC retail customer classes based on the class contribution to system peak demand.

All allocation factors will be based on the Company's cost of service study and will exclude the amounts related to customers that elect to opt out of this Rider.

TRUE-UP PROVISIONS

Rider amounts for SAW programs will initially be determined based on estimated kW and kWh impacts related to expected customer participation in the programs, and will be true-up as actual customer participation and actual kw and kwh impacts are verified.

Participation true-ups: After the first year, the Rider will include a true-up of previous Rider amounts billed to reflect actual customer participation in the programs.

Measurement and verification true-up: EM&V activities and results will be included in a mid-term EM&V-based true-up process that will be reflected in Vintage Year 3 Rider EE collections. A final EM&V true-up reflected in Vintage Year 6 Rider EE collections will incorporate all EM&V studies completed since the mid-term EM&V true-up. EM&V results will include measure-level savings adjustments and net-to-gross analysis. In addition, the mid-term and final true-ups will incorporate the most recent EM&V results in the avoided cost true-up, the lost revenue true-up, and the earnings cap true-up.

Earnings cap true-up: In the sixth year a true up will be billed, if applicable, to refund amounts collected through the Rider in excess of the earnings cap, in accordance with the following levels of achievement and allowed return on investment.

Percentage Actual Target Achievement	Return on Investment Cap on Program Costs Percentage
>=90%	15%
80% to 89%	12%
60% to 79%	9%
< 60%	5%

Rider amounts for Existing DSM Programs initially will be estimated program costs for the calendar year and will be true-up to actual a subsequent rider.

RIDER EE (SC)
ENERGY EFFICIENCY RIDER

DETERMINATION OF ENERGY EFFICIENCY RIDER ADJUSTMENT

Energy Efficiency Adjustments (EEA) will be applied to the energy (kilowatt hours) billed of all rate schedules for each vintage as determined by the following formula:

EEA Residential (expressed as cents per kwh) = SAW Residential Adjustment + Existing DSM Residential Adjustment

SAW Residential Adjustment = Residential Avoided Cost Revenue Requirement + Residential Lost Revenues / Forecasted Residential kWh Sales for the Rider billing period

Where

Residential Avoided Cost Revenue Requirement = (Residential Demand Side Management Program Avoided Cost Revenue Requirement X 75%) + (Residential Energy Efficiency Program Avoided Cost Revenue Requirement X 55%)

And

Existing DSM Residential Adjustment = Non-SAW Residential Program Costs / Forecasted Residential kWh Sales for the Rider billing period

EEA Non-residential (expressed as cents per kwh) = SAW Non-residential Adjustment + Existing DSM Non-residential Adjustment

SAW Non-residential Adjustment = Non-residential Avoided Cost Revenue Requirement + Non-residential Lost Revenues / Forecasted Non-residential kWh Sales (excluding opt out sales) for the Rider billing period

Where

Non-residential Avoided Cost Revenue Requirement = (Non-residential Demand Side Management Program Avoided Cost Revenue Requirement X 75%) + (Non-residential Energy Efficiency Program Avoided Cost Revenue Requirement X 55%)

And

Existing DSM Non-residential Adjustment = Non-SAW Non-residential Program Costs / Forecasted Non-residential kWh Sales (excluding opt out sales) for the Rider billing period

ENERGY EFFICIENCY RIDER ADJUSTMENTS (EEA)

As a result of the Commission's Order No.XX=XXX in Docket No. 2012-XXX-E, the EEA applicable to the residential and nonresidential rate schedules effective January 1, 2013, including revenue-related taxes and utility assessments, are as follows:

<u>Residential</u>	0.2522¢ per kWh	
<u>Nonresidential</u>	<u>Energy Efficiency</u>	<u>Demand Side Management</u>
Vintage 1 True-up	0.0254¢ per kWh	0.0010 ¢ per kWh
Vintage 2 True-up	0.0671 ¢ per kWh	0.0185¢ per kWh
Vintage 3 Lost Revenues	0.0120¢ per kWh	NA
Vintage 4	<u>0.0797¢ per kWh</u>	<u>0.0859¢ per kWh</u>
Total Vintage 1, 2, 3, 4	0.1842¢ per kWh	0.1054¢ per kWh
Total Nonresidential Energy Efficiency and Demand Side Management	0.2896¢ per kWh	

Each factor listed under Non-residential is applicable to non-residential customers who are not eligible to opt out and to eligible customer who have not opted out. If a nonresidential customer has opted out of a Vintage(s), then the charge(s) shown above for the Vintage(s) during which the customer has opted out, will not apply to the bill.

RIDER EE (SC)
ENERGY EFFICIENCY RIDER

OPT OUT PROVISION FOR QUALIFYING MANUFACTURING CUSTOMERS

The Nonresidential EEA increment applicable to energy efficiency programs and/or demand-side management programs will not be applied to the energy billed to the Customer under the applicable nonresidential rate schedule for Customers qualified to opt out of the programs where:

- a. The Customer attests or certifies to the Company that it has performed or had performed for it an energy audit or analysis within the three year period preceding the opt out request and has implemented or has plans for implementing the cost-effective energy efficiency measures recommended in that audit or analysis; and
- b. The Customer is served under an electric service agreement where the establishment is classified as a "manufacturing industry" by the Standard Industrial Classification Manual published by the United States Government, and where more than 50% of the electric energy consumption of such establishment is used for its manufacturing processes.

For Customers who elect to opt out of Energy Efficiency Programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's energy efficiency programs each calendar year only during the designated annual two month enrollment period. For the Rider EE 2013 Program Year, the enrollment period begins November 1, 2012 and ends December 31, 2012.
- Customers may not opt out of individual energy efficiency programs offered by the Company. The choice to optout applies to the Company's entire portfolio of energy efficiency programs.
- If a customer participates in any vintage of energy efficiency programs, the customer, irrespective of future opt-out decisions, remains obligated to pay the remaining portion of the lost revenues for each vintage of efficiency programs in which the customer participated.

For Customers who elect to opt out of Demand Side Management Programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's demand-side management program only during the designated annual two month enrollment period. For the Rider EE 2013 Program Year, the enrollment period begins November 1, 2012 and ends December 31, 2012.
- If a customer elects to participate in a demand-side management program, the customer may not subsequently choose to opt out of demand side management programs for three years.

RESIDENTIAL

	Vintage 1, Year 1 SC Retail Costs	Vintage 1, Year 2 SC Retail Costs*	Total Vintage 1, Year 1 and Year 2 SC Revenue Requirement True- up
1 EE Avoided Cost Component	\$ 12,991,691		
2 DSM Avoided Cost Component	\$ 2,700,179		
3 Total Residential Avoided Cost Component	\$ 15,691,870		
4 Gross Receipts Tax and Regulatory Fee	1,004,536		
5 Total EE/DSM Residential Avoided Cost Component	\$ 15,763,048	\$ 15,763,048	
6 Total Lost Revenues Vintage 1	\$ 1,714,869	\$ 5,138,245	\$ 6,853,114
7 Residential Save-A-Watt Revenue Requirement			\$ 22,616,162
8 Billing Factor			100%
9 Residential Save-A-Watt Revenue Requirement			\$ 22,616,162
10 Residential Existing DSM Program Revenue Requirement			\$ 918,576
11 Total Residential SAW & Existing DSM Program Revenue Requirement			\$ 23,534,688
12 Earnings Cap Adjustment			\$ (3,978,501)
13 Residential Revenue Requirement Capped			\$ 19,556,187
14 Total Collected for Vintage 1 (Rider 1, Rider 2, Rider 3 est.)			\$ 19,135,396
15 Residential True-up Amount			\$ 420,791
16 Interest Amount due Company			\$ 708,997
17 Residential True-up Amount with Interest			\$ 1,129,788
			See Exhibit A for rate

NON-RESIDENTIAL

	Vintage 1, Year 1 SC Retail Costs	Vintage 1, Year 2 SC Retail Costs*	Total Vintage 1, Year 1 and Year 2 SC Revenue Requirement True- up	DSM Participant Vintage 1, Year 1 SC Revenue Requirement True- up
18 SAW EE Avoided Cost Component	\$ 4,330,831			\$ 3,593,506
19 SAW DSM Avoided Cost Component	1,004,536			1,004,536
20 Gross Receipts Tax and Regulatory Fee	\$ 4,962,238			\$ 3,609,806
21 Total Non-Residential Avoided Cost Component	\$ 571,894	\$ 1,223,868	\$ 4,962,238	\$ 3,609,806
22 Total Lost Revenues Vintage 1			\$ 1,795,762	\$ -
23 Non-Residential EE/DSM Revenue Requirement			\$ 6,758,000	\$ 3,609,806
24 Billing Factor			100%	100%
25 Total Non-Residential EE/DSM Revenue Requirement			\$ 6,758,000	\$ 3,609,806
26 Existing DSM Program Revenue Requirement			\$ 1,222,411	\$ 1,222,411
27 Total Non-Residential SAW & Existing DSM Program Revenue Requirement			\$ 6,758,000	\$ 4,832,217
28 Earnings Cap Adjustment			\$ (1,324,033)	\$ (723,716)
29 Non-Residential Revenue Requirement Capped			\$ 5,633,967	\$ 4,108,501
30 Total Collected for Vintage 1 (Rider 1, Rider 2, Rider 3 est.)			\$ 3,772,514	\$ 4,185,742
31 Non-Residential True-up Amount Vintage 1			\$ 1,861,453	\$ (76,741)
32 Interest Amount due Company			\$ 611,808	\$ 164,504
33 Non-Residential True-up Amount Vintage 1 with Interest			\$ 2,473,261	\$ 87,863
34 Projected SC Non-Residential Sales (kWh) for billing period			\$ 9,744,280,927	\$ 8,672,408,517
35 Non-Residential Rider EE (cents per kWh)			0.0254	0.0010

* Includes 1 month of Year 3 (January 2012)

Duke Energy Carolinas
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Load Impacts and Avoided Cost Revenue Requirements by Program - Vintage 1

	A			B		C	
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System Avoided Cost Revenue Requirement	SC kWh Sales Allocation Factor (VI Exhibit 4, Line 6)	SC Residential Avoided Costs	A * B	
Residential Programs							
EE Programs (at 55% Avoided Cost)							
1 Residential Energy Assessments	997	6,338,529	\$ 1,015,146	27.21216%	\$ 276,243		
2 Smart Saver® for Residential Customers	41,185	379,536,337	\$ 45,654,312	27.21216%	\$ 12,423,524		
3 Low Income Energy Efficiency and Weatherization Assistance	576	5,447,794	\$ 818,533	27.21216%	\$ 168,316		
4 Energy Efficiency Education Program for Schools	409	2,202,058	\$ 490,135	27.21216%	\$ 117,049		
5 Home Energy Comparison Report	158	853,956	\$ 24,502	27.21216%	\$ 6,559		
6 Total for Residential Conservation Programs	43,325	394,378,674	\$ 47,742,228		\$ 12,991,691		
7 Total DSM Programs (at 75% Avoided Costs)	445,591		\$ 25,050,603	10.77890%	\$ 2,700,179		
Non-Residential Programs							
EE Programs (at 55% Avoided Cost)							
8 Smart Saver® for Non-Residential Customers Lighting	11,245	56,412,552	\$ 11,653,765	27.21216%	\$ 3,171,241		
9 Smart Saver® for Non-Residential Customers Motors	481	2,518,044	\$ 755,712	27.21216%	\$ 205,646		
10 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	390	\$ 48	27.21216%	\$ 13		
11 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	144	738,340	\$ 186,240	27.21216%	\$ 50,680		
12 Smart Saver® for Non-Residential Customers - HVAC	1,637	4,049,388	\$ 1,801,093	27.21216%	\$ 517,326		
13 Smart Saver® for Non-Residential Customers - Custom Rebate	2,596	20,897,656	\$ 3,656,171	27.21216%	\$ 994,923		
14 Total for Non-Residential Conservation Programs	16,103	84,616,340	\$ 18,153,029		\$ 4,959,831		
15 Total DSM Programs (at 75% Avoided Cost)	445,591		\$ 25,050,603	14.34499%	\$ 3,599,506		
Total DSM Program Breakdown							
16 Power Manager (Residential)	228,223	-	\$ 13,952,642				
17 Power Share (Non-Residential)	217,768	-	\$ 11,897,961				
18 Total DSM	445,991	-	\$ 25,050,603	25.12389%	\$ 6,293,685		

(1) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Carolinas
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Existing DSM Program Costs - Vintage 1

Vintage 1 Exhibit 3

1 Estimated total IS/SG credits to be paid for native load programs

2 SC retail allocation factor - system peak demand

3 SC retail share IS/SG program costs

4 Gross Receipts Tax and Regulatory Fee

5 SC Retail Existing DSM Revenue Requirement

PROGRAM

- 4 INTERRUPTIBLE SERVICE CREDITS
- 5 STANDBY GENERATOR PAYMENTS
- 6 WHOLESALE A/C LOAD CONTROL CREDITS
- 7 WHOLESALE INTERRUPTIBLE SERVICE CREDITS
- 8 TOTAL CREDITS

	Year 2010	
	Residential	Non-residential
Line 8	10.18483%	13.55438%
V1 Exhibit 4, Line 16, 17		
Line 1 * Line 2	\$ 914,378	\$ 1,216,891
Line 3 * Line 4	1,004,536	1,004,536
	918,526	1,222,411

Feb - Dec 2010 Credits Paid	
5,551,645	
2,061,639	
614,944	
749,616	
8,977,844	

Duke Energy Carolinas
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Allocation Factors - Vintage 1

	MWH	Res	NonRes
Company Records	57,382,346		
Company Records	21,476,495	7,148,319	14,328,176
Line 1 + Line 2	78,858,841		
Company Records	63,588		
Line 3 + Line 4	78,922,429		
Line 2 / Line 5	27.21216%	33.28438%	66.71562%

Sales Allocator - 2010

- 1 NC Retail/MWH Sales Allocation
- 2 SC Retail MWH Sales Allocation (Excl. Greenwood)
- 3 Total Retail, Excluding Greenwood

- 4 Greenwood Retail MWH Sales Allocation
- 5 Total Retail, including Greenwood
- Allocation 1 to state based on kWh sales
- 6 SC Retail

Demand Allocators - 2010

- 7 Residential
- 8 Non Residential (SC - Excl. Greenwood)
- 9 Greenwood
- 10 Total
- 11 Wholesale Peak Demand
- 12 Total System Peak Demand

Allocation 2 to state based on peak demand

- 13 SC Retail, Excl. Greenwood

(Line 7, SC + Line 8, SC) / Line 10 Total

Allocation 3 SC res vs non-res Peak Demand to retail system peak

- 14 SC Residential
- 15 SC Non-residential

Line 7, SC / Line 10 Total
Line 8, SC / Line 10 Total

Allocation 4 SC res vs non-res Peak Demand to retail system peak for Existing DSM

- 16 SC Residential
- 17 SC Non-residential

Line 7, SC / Line 12 Total
Line 8, SC / Line 12 Total

	NC MW	SC MW	Total MW
Company Records	5,494,974	1,719,773	7,214,747
Company Records	6,437,669	2,288,743	8,726,412
Company Records	-	13,841	13,841
Line 7 + Line 8+ Line 9	11,932,643	4,022,357	15,955,000
Company Records			930,640
Line 10 + Line 11			16,885,640

25.12389%

10.77890%
14.34499%

10.18483%
13.55438%

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Actual Program Costs - Vintage 1

	System Costs Months of February 1, 2010 - December 31, 2010	Residential	Non-Residential
Energy Efficiency (EE) Programs:			
1 Residential Energy Assessments	2,627,616	2,627,616	
2 Home Energy Comparison Report	18,345	18,345	
3 Residential Smart Saver	25,826,746	25,826,746	
4 Low Income Services	417,693	417,693	
5 Energy Efficiency Education Schools Program	2,157,782	2,157,782	
6 Nonresidential Energy Assessments	1,046,412		1,046,412
7 Nonresidential Smart Saver	6,547,426		6,547,426
9 Subtotal EE Program Costs	38,642,020	31,048,182	7,593,838
Demand-Side Management (DSM) Programs:			
10 Power Manager	9,400,010	9,400,010	
11 Power Share	7,689,402		7,689,402
12 Subtotal DSM Program Costs	17,089,412	9,400,010	7,689,402
13 Total EE & DSM Program Costs	55,731,432	40,448,192	15,283,240
14 Total EE & DSM Program Costs - Vintage 1	55,731,432		

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Earnings Cap Calculation - Vintage 1

Total for Conservation Programs

1 AC Revenues-55%
2 Program Costs
3 Avoided Costs -100%
4 Income Before Taxes
5 Income Taxes
6 Net Income

	55%	A Res	B Non Res	C Total	D	E	F	G
V1 Exhibit 2, Lines 6, 14	\$	47,742,228	\$	18,153,029	\$			
V1 Exhibit 5, Line 9	\$	31,048,182	\$	7,593,838	\$			
Line 1 / 55%	\$	86,804,051	\$	33,005,507	\$			
Line 1 - Line 2	\$	16,694,046	\$	10,559,191	\$			
Line 4 * 3825	\$	6,385,473	\$	4,038,891	\$			
Line 4 - Line 5	\$	10,308,573	\$	6,520,300	\$			
					\$	252,364.97	\$ 10,676,727.97	

Total for DSM Programs

7 AC Revenues-75%
8 Program Costs
9 Avoided Costs -100%
10 Income Before Taxes
11 Income Taxes
12 Net Income

	75%	A Res	B Non Res	C Total	D	E	F	G
V1 Exhibit 2, Lines 16, 17	\$	13,362,642	\$	11,687,961	\$			
V1 Exhibit 5, Line 12	\$	9,400,010	\$	7,689,402	\$			
Line 7 / 75%	\$	17,816,856	\$	15,583,948	\$			
Line 7 - Line 8	\$	3,962,632	\$	3,998,559	\$			
Line 10 * 3825	\$	1,515,707	\$	1,529,449	\$			
Line 10 - Line 11	\$	2,446,925	\$	2,469,110	\$			
					\$			

Total for SAW Programs Adjusted for DSM Cap

13 AC Revenues
14 Program Costs
15 Avoided Costs
16 Income Before Taxes
17 Income Taxes
18 Net Income

	Res	Non Res	Total	D	E	F	G
Line 1 + Line 7	\$	61,104,870	\$	29,840,990	\$		
Line 2 + Line 8	\$	40,448,192	\$	15,283,240	\$		
Line 3 + Line 9	\$	104,620,907	\$	48,589,455	\$		
Line 13 - Line 14	\$	20,656,678	\$	14,557,750	\$		
Line 16 * 3825	\$	7,901,179	\$	5,568,339	\$		
Line 16 - Line 17	\$	12,755,499	\$	8,989,411	\$		
					\$		

19 Percent DSM Avoided Cost to Total Avoided Cost (A)
20 Percent Conservation Avoided Cost to Total Avoided Cost

	Res	Non Res	Total	D	E	F	G
Line C9 / Line C15							
Line C3 / Line C15							

21 Earnings Cap: Allowed Return on Program Costs
22 Earnings in Excess of Allowed Return on Program Costs
23 SC Allocation (weighted demand and sales allocators)
24 Excess Earnings to reduce V1 Revenue Requirement
25 Excess Earnings by Customer Class and Type
26 Gross Up of Earnings to Pre-Tax
27 Gross up of Pre-Tax Earnings for Gross Receipts Tax and Regulatory Fee

	Res	Non Res	Total	D	E	F	G
Line 14, Col. C * 15%							
Line 13, Col C - Line 21, Col C							
(V1 Exhibit 4, Line 6 * V1 Exhibit 6, Line 20) + (V1 Exhibit 4, Line 13 * V1 Exhibit 6, Line 19)							
Line 22 * Line 23							
Line 24 * Line 15, Col D, Col E, (Col E * Col F), (Col E * Col G)							
Line 25 / (1 - 3825)							
Line 26 * 1,004,536							

(A) No Adjustment required since DSM avoided costs percent is less than 40%

Percent of Total Avoided Costs			
Residential	Non-Residential Total	Non-Res Conservation	Non-Res DSM
68.28579%	31.71421%	60.83253%	39.16747%

RESIDENTIAL

1 EE Avoided Cost Component	V2 Exhibit 2, Line 7	
2 DSM Avoided Cost Component	V2 Exhibit 2, Line 8	
3 Residential Avoided Cost Component	Line 1 + Line 2	
4 Gross Receipts Tax and Regulatory Fee		
5 Total EE/DSM Residential Avoided Cost Component	Line 3 * Line 4	
6 Total Lost Revenues Vintage 2	R4 Exhibit 1, Line 20	
7 Residential Save-A-Watt Revenue Requirement	Line 5 + Line 6	
8 Billing Factor		100%
9 Residential Save-A-Watt Revenue Requirement for billing	Line 7 * Line 8	
10 Residential Existing DSM Program Revenue Requirement	V2 Exhibit 3, Line 5	
11 Total Residential SAW & Existing DSM Program Revenue Requirement	Line 9 + Line 10	
12 Total Collected for Vintage 2 (Rider 2)	R4 Exhibit 2, Line 2	
13 Residential True-up Amount Vintage 2	Line 11 - Line 12	
14 Interest Amount due Company	R4 Exhibit 4, Page 1 of 3, Line 20	
15 Residential True-up Amount with Interest	Line 13 + Line 14	

See Exhibit A for rate

NON-RESIDENTIAL

16 SAW EE Avoided Cost Component	V2 Exhibit 2, Line 16	
17 SAW DSM Avoided Cost Component	V2 Exhibit 2, Line 17	
18 Gross Receipts Tax and Regulatory Fee		
19 Total Non-Residential Avoided Cost Component	Line 18 * Line 16 and Line 17	
20 Total Lost Revenues Vintage 2	R4 Exhibit 1, Line 28	
21 Non-Residential EE/DSM Revenue Requirement	Line 19 + Line 20	
22 Billing Factor		100%
23 Non-Residential EE/DSM Revenue Requirement	Line 21 * Line 22	
24 Existing DSM Program Revenue Requirement	V2 Exhibit 3, Line 5	
25 Total Non-Residential SAW & Existing DSM Program Revenue Requirement	Line 23 + Line 24	
26 Total Collected for Vintage 2 (Rider 2, Rider 3)	R4 Exhibit 2, Lines 4, 6	
27 Non-Residential True-up Amount Vintage 2	Line 25 - Line 26	
28 Interest Amount due Company	R4 Exhibit 4, Page 3 of 3, Line 6, 17	
29 Non-Residential True-up Amount Vintage 2 with Interest	Line 27 + Line 28	
30 Projected SC Non-Residential Sales (kWh) for billing period	R4 Exhibit 3, Line 23	
31 Non-Residential Rider EE (cents per kWh)	Line 29/Line 30 * 100	

Duke Energy Carolinas
For the Period January 1, 2011 - December 31, 2011
Docket Number 2012-90-E

Load Impacts and Avoided Cost Revenue Requirements by Program - Vintage 2

	A	B	C
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System Avoided Cost Revenue Requirement
1 Residential Energy Assessments	1,305	9,220,652	\$ 1,440,886
2 Smart-Save® for Residential Customers	39,681	367,119,680	\$ 45,110,321
3 Low Income Energy Efficiency and Weatherization Assistance	52	488,563	\$ 57,147
4 Energy Efficiency Education Program for Schools	262	1,412,091	\$ 284,734
5 Residential Retrofit Pilot	21	126,464	\$ 41,955
6 Home Energy Comparison Reports	66	357,845	\$ 34,955
7 Total for Residential Conservation Programs	41,387	378,725,395	\$ 46,969,998
			\$ 12,786,991

8 Total DSM Programs (at 75% Avoided Costs)

	547,871		\$ 38,322,193	10.05492%	\$ 3,350,520	

Non-Residential Programs

EE Programs (at 55% Avoided Cost)						
9 Smart Saver® for Non-Residential Customers Lighting	11,320	64,139,478	\$ 14,143,982	27.22374%	\$ 3,850,521	
10 Smart Saver® for Non-Residential Customers Motors	1,106	5,746,363	\$ 1,353,127	27.22374%	\$ 368,372	
11 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	81	503,425	\$ 62,333	27.22374%	\$ 16,909	
12 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	134	1,011,601	\$ 272,658	27.22374%	\$ 74,173	
13 Smart Saver® for Non-Residential Customers - HVAC	1,868	4,983,288	\$ 2,254,464	27.22374%	\$ 613,749	
14 Smart Saver® for Non-Residential Customers - Custom Rebate	6,580	55,930,459	\$ 11,946,459	27.22374%	\$ 3,252,273	
15 Smart Energy Now	1,343	7,153,432	\$ 939,956	27.22374%	\$ 255,891	
16 Total for Non-Residential Conservation Programs	22,482	119,468,046	\$ 30,972,779		\$ 8,431,948	
				SC Non-Residential Peak Demand Allocation Factor (V2 Exhibit 4, Line 15)	A * B	

17 Total DSM Programs (at 75% Avoided Cost)

	547,871		\$ 38,322,193	15.39617%	\$ 5,130,343	

Total DSM Program Breakdown

18 Power Manager (Residential)	226,743		\$ 13,790,791			
19 Power Share (Non-Residential)	321,128		\$ 19,531,402			
20 Total DSM	547,871		\$ 33,322,193	25.45102%	\$ 8,480,838	

(1) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

	Year 2011	
	Residential	Non-residential
1 Estimated total IS/SG credits to be paid for native load programs	\$ 8,260,051	14,409,211
2 SC retail allocation factor - system peak demand	9.410355%	
3 SC retail share IS/SG program costs	\$ 777,300	\$ 1,190,208
4 Gross Receipts Tax and Regulatory Fee	1.004536	1.004536
5 SC Retail Existing DSM Revenue Requirement	780,826	1,195,607

PROGRAM	Jan - Dec 2011 Credits Paid
4 INTERRUPTIBLE SERVICE CREDITS	4,908,859
5 STANDBY GENERATOR PAYMENTS	1,873,857
6 WHOLESALE A/C LOAD CONTROL CREDITS	370,432
7 WHOLESALE INTERRUPTIBLE SERVICE CREDITS	1,106,903
8 TOTAL CREDITS	8,260,051

Note: 2011 actual credits paid used as an estimate for 2013 amounts

Duke Energy Carolinas
For the Period January 1, 2011 - December 31, 2011
Docket Number 2012-XXX-E
Allocation Factors - Vintage 2

		MWH	Res	NonRes
Sales Allocator - 2011				
1 NC Retail/MWH Sales Allocation	Company Records	55,966,072		
2 SC Retail MWH Sales Allocation (Excl. Greenwood)	Company Records	20,958,243	6,646,698	14,311,545
3 Total Retail, Excluding Greenwood	Line 1 + Line 2	76,924,315		
4 Greenwood Retail MWH Sales Allocation	Company Records	60,853		
5 Total Retail, including Greenwood	Line 3 + Line 4	76,985,168		
Allocation 1 to state based on kWh sales				
6 SC Retail	Line 2 / Line 5	27.22374%	31.71400%	68.28600%

Demand Allocators - 2011

		NC MW	SC MW	Total MW
7 Residential				
8 Non Residential (SC - Excl. Greenwood)	Company Records	5,179,896	1,616,026	6,795,922
9 Greenwood	Company Records	6,788,010	2,474,472	9,262,482
10 Total	Line 7 + Line 8 + Line 9	-	13,596	13,596
11 Wholesale Peak Demand	Company Records	11,967,906	4,104,094	16,072,000
12 Total System Peak Demand	Line 10 + Line 11			1,100,855
Allocation 2 to state based on peak demand				17,172,855
13 SC Retail, Excl. Greenwood	(Line 7, SC + Line 8, SC) / Line 10 Total	25.45108%		
Allocation 3 SC res vs non-res Peak Demand to retail system peak				
14 SC Residential	Line 7, SC / Line 10 Total	10.05492%		
15 SC Non-residential	Line 8, SC / Line 10 Total	15.39617%		
Allocation 4 SC res vs non-res Peak Demand to retail system peak for Existing DSM				
16 SC Residential	Line 7, SC / Line 12 Total	9.41035%		
17 SC Non-residential	Line 8, SC / Line 12 Total	14.40921%		

Duke Energy Carolinas
For the Period January 1, 2011 - December 31, 2011
Docket Number 2012-XXX-E
Actual Program Costs - Vintage 2

	System Costs Months of January 1, 2011 - December 31, 2011	Residential	Non-Residential
Energy Efficiency (EE) Programs:			
1 Residential Energy Assessments	2,680,325	2,680,325	
2 Residential Home Retrofit	119,334	119,334	
3 Home Energy Comparison Report	714,262	714,262	
4 Residential Smart Saver	23,107,429	23,107,429	
5 Low Income Services	1,302	1,302	
6 Energy Efficiency Education Schools Program	795,083	795,083	
7 Nonresidential Energy Assessments	2,530,485		2,530,485
8 Nonresidential Smart Energy Now	2,078,784		2,078,784
9 Nonresidential Smart Saver	12,199,001		12,199,001
10 Subtotal EE Program Costs	44,226,005	27,417,735	16,808,270
Demand-Side Management (DSM) Programs:			
11 Power Manager	14,455,621	14,455,621	
12 Power Share	13,855,180		13,855,180
13 Subtotal DSM Program Costs	28,310,801	14,455,621	13,855,180
14 Total EE & DSM Program Costs	72,536,806	41,873,356	30,663,450
15 Total EE & DSM Program Costs - Vintage 1	72,536,806		

Duke Energy Carolinas
For the Period January 1, 2013 - December 31, 2013
Docket Number 2012-XXX-E
Calculation of Estimate for Vintage 3, Year 2 Lost Revenue

RESIDENTIAL

- 1 Lost Revenues Vintage 3, Year 2
- 2 Billing Factor
- 3 Residential Save-A-Watt Revenue Requirement

Vintage 3, Year 2 Lost Revenue Estimate	
\$	3,409,996
	85%
\$	2,898,497
See Exhibit A for rate	

R4 Exhibit 1, Line 35

Line 1 * Line 2

NON-RESIDENTIAL

- 4 Lost Revenues Vintage 3, Year 2
- 5 Billing Factor
- 6 Non-Residential EE Revenue Requirement
- 7 Projected SC Non-Residential Sales (kWh) for billing period
- 8 Non-Residential Rider EE (cents per kWh)

Vintage 3, Year 2 Lost Revenue Estimate	
\$	1,331,883
	85%
\$	1,132,101
	9,443,423,894
	0.0120

R4 Exhibit 1, Line 43

Line 4 * Line 5

R4 Exhibit 3, Line 23

Line 6/Line 7 * 100

RESIDENTIAL

1	EE Avoided Cost Component
2	DSM Avoided Cost Component
3	Total Residential Avoided Cost Component
4	Gross Receipts Tax and Regulatory Fee
5	Total EE/DSM Residential Avoided Cost Component
6	Total Lost Revenues
7	Residential Save-A-Watt Revenue Requirement
8	Billing Factor
9	Residential Save-A-Watt Revenue Requirement
10	Residential Existing DSM Program Revenue Requirement
11	Total Residential SAW & Existing DSM Program Revenue Requirement

V4 Exhibit 2, Line 6
V4 Exhibit 2, Line 7
Line 1 + Line 2
Line 3 * Line 4
R4 Exhibit 1, Line 49
Line 5 + Line 6
Line 7 * Line 8
V4 Exhibit 3, Line 5
Line 9 + Line 10
V4 Exhibit 2, Line 14
V4 Exhibit 2, Line 15
Line 14 * Line 12, Line 13
R4 Exhibit 1, Line 56
Line 15 + Line 16
Line 17 * Line 18
V4 Exhibit 3, Line 5
Line 19 + Line 20
R4 Exhibit 3, Line 23
Line 21/ Line 22 * 100

Vintage 4, Year 1
Estimated SC Retail
Revenue
Requirement
\$ 2,997,035
\$ 4,584,614
\$ 7,581,649
1,004,536
\$ 7,616,039
\$ 531,995
8,148,034
85%
\$ 6,925,829
\$ 780,826
\$ 7,706,655
See Exhibit A for rate

NON-RESIDENTIAL

12	SAW EE Avoided Cost Component
13	SAW DSM Avoided Cost Component
14	Gross Receipts Tax and Regulatory Fee
15	Total Non-Residential Avoided Cost Component
16	Total Lost Revenues Vintage 4
17	Non-Residential EE Revenue Requirement
18	Billing Factor
19	Non-Residential EE Revenue Requirement
20	Existing DSM Program Revenue Requirement
21	Total Non-Residential SAW & Existing DSM Program Revenue Requirement
22	Projected SC Non-Residential Sales (kWh) for billing period
23	Non-Residential Rider EE (cents per kWh)

EE Participants	DSM Participants
Vintage 4, Year 1	Estimated SC Retail
Revenue Requirement	
\$ 8,195,877	\$ 7,019,996
1,004,536	1,004,536
\$ 8,233,053	\$ 7,051,839
\$ 626,391	-
\$ 8,859,444	\$ 7,051,839
85%	85%
\$ 7,530,527	\$ 5,994,063
-	\$ 1,195,607
\$ 7,530,527	\$ 7,189,670
9,443,423,894	8,370,744,120
0.0797	0.0859

Load Impacts and Avoided Cost Revenue Requirements by Program - Vintage 4

**SC Residential Peak Demand
Allocation Factor (VZ Exhibit 4,
Line 24)**

3

SC Non-Residential Peak Demand
Allocation Factor (VZ Exhibit 4,
2 June 1953)

(1) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

(1) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Carolinas
For the Period January 1, 2013 - December 31, 2013
Docket Number 2012-XXX-E
Existing DSM Program Costs - Vintage 4

Vintage 4 Exhibit 3

1	Estimated total IS/SG credits to be paid for native load programs	Line 8	Year 2013	
			\$ 8,260,051	
2	SC retail allocation factor - system peak demand	V2 Exhibit 4, Line 16, 17	Residential	Non-Residential
			9.41035%	14.40921%
3	SC retail share IS/SG program costs	Line 1 * Line 2	\$ 777,300	\$ 1,190,208
4	Gross Receipts Tax and Regulatory Fee		1,004,536	1,004,536
5	SC Retail Existing DSM Revenue Requirement	Line 3 * Line 4	780,826	1,195,607

PROGRAM	
4	INTERRUPTIBLE SERVICE CREDITS
5	STANDBY GENERATOR PAYMENTS
6	WHOLESALE A/C LOAD CONTROL CREDITS
7	WHOLESALE INTERRUPTIBLE SERVICE CREDITS
8	TOTAL CREDITS
<div> <div>Jan - Dec 2011 Credits Paid</div> <div> 4,908,859 1,873,857 370,432 1,106,903 8,260,051 </div> </div>	

Note: 2011 actual credits paid used as an estimate for 2013 amounts

Duke Energy Carolinas
For the Period February 2010 - January 31, 2013
Docket Number 2012-000-E
South Carolina Lost Revenues Summary

Rider 4 Exhibit 1

Vintage 1		Participation					Total	
		2,009	2,010	2,011	1 Mth 2012	2,012	2,013	Total
Residential								
1	Residential Energy Assessments		65,036	94,835	7,903	-	-	167,774
2	Smart Saver® for Residential Customers		1,567,767	4,572,451	381,038	-	-	6,519,256
3	Low Income Energy Efficiency and Weatherization Assistance		22,693	46,474	3,873	-	-	73,040
4	Energy Efficiency Education Program for Schools		11,978	29,235	2,436	-	-	43,649
5	Home Energy Comparison Report		52,395	-	-	-	-	52,395
6	Total Lost Revenues		1,714,869	4,742,995	395,250	-	-	6,853,114
Non-Residential								
7	Smart Saver® for Non-Residential Customers Lighting		473,332	951,418	79,265	-	-	1,504,015
8	Smart Saver® for Non-Residential Customers Motors		12,567	23,929	1,994	-	-	38,490
9	Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)		-	-	-	-	-	-
10	Smart Saver® for Non-Residential Customers - Energy Star Food Service Products		2,984	6,242	520	-	-	9,746
11	Smart Saver® for Non-Residential Customers - HVAC		26,763	47,494	3,958	-	-	78,215
12	Smart Saver® for Non-Residential Customers - Custom Rebate		56,248	100,641	8,387	-	-	165,276
13	Total Lost Revenues		571,894	1,129,724	94,144	-	-	1,795,762
Vintage 2								
		2,009	2,010	2,011	1 Mth 2012	2012(a)	2,013	Total
Residential								
14	Residential Energy Assessments	-	-	64,622	-	-	44,124	108,746
15	Smart Saver® for Residential Customers	-	-	1,770,010	-	-	1,465,341	3,235,351
16	Low Income Energy Efficiency and Weatherization Assistance	-	-	1,413	-	-	1,337	2,810
17	Energy Efficiency Education Program for Schools	-	-	13,053	-	-	9,719	22,772
18	Residential Retrofit Pilot	-	-	-	-	-	-	-
19	Home Energy Comparison Report	-	-	74,097	-	-	-	74,097
20	Total Lost Revenues	-	-	1,923,195	-	-	1,520,581	3,443,776
Non-Residential								
21	Smart Saver® for Non-Residential Customers Lighting	-	-	338,152	-	-	217,039	555,191
22	Smart Saver® for Non-Residential Customers Motors	-	-	33,873	-	-	25,888	59,761
23	Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	-	-	-	-	-	-
24	Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	-	-	1,036	-	-	3,065	4,101
25	Smart Saver® for Non-Residential Customers - HVAC	-	-	26,052	-	-	16,095	42,147
26	Smart Saver® for Non-Residential Customers - Custom Rebate	-	-	192,635	-	-	122,689	315,344
27	Smart Energy Now	-	-	-	-	-	-	-
28	Total Lost Revenues	-	-	591,768	-	-	384,776	976,544
Vintage 3 - Yr. 2 (2013)								
		2,009	2,010	2,011	1 Mth 2012	2,012	2013(b)	Total
Residential								
29	Residential Energy Assessments	-	-	-	-	-	154,745	154,745
30	Home Energy Comparison Report	-	-	-	-	-	2,135,647	2,135,647
31	Smart Saver® for Residential Customers	-	-	-	-	-	1,058,827	1,058,827
32	Low Income Energy Efficiency and Weatherization Assistance	-	-	-	-	-	4,948	4,948
33	Energy Efficiency Education Program for Schools	-	-	-	-	-	55,829	55,829
34	Residential Retrofit Pilot	-	-	-	-	-	-	-
35	Total Lost Revenues	-	-	-	-	-	3,409,996	3,409,996
Non-Residential								
36	Smart Saver® for Non-Residential Customers Lighting	-	-	-	-	-	677,157	677,157
37	Smart Saver® for Non-Residential Customers Motors	-	-	-	-	-	20,235	20,235
38	Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	-	-	-	-	170	170
39	Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	-	-	-	-	-	9,251	9,251
40	Smart Saver® for Non-Residential Customers - HVAC	-	-	-	-	-	41,258	41,258
41	Smart Saver® for Non-Residential Customers - Custom Rebate	-	-	-	-	-	583,811	583,811
42	Smart Energy Now	-	-	-	-	-	-	-
43	Total Lost Revenues	-	-	-	-	-	1,331,883	1,331,883
Vintage 4 - Yr. 1 (2013)								
		2,009	2,010	2,011	1 Mth 2012	2,012	2013(b)	Total
Residential								
44	Residential Energy Assessments	-	-	-	-	-	31,933	31,933
45	Home Energy Comparison Report	-	-	-	-	-	10,678	10,678
46	Smart Saver® for Residential Customers	-	-	-	-	-	456,224	456,224
47	Low Income Energy Efficiency and Weatherization Assistance	-	-	-	-	-	5,246	5,246
48	Energy Efficiency Education Program for Schools	-	-	-	-	-	27,914	27,914
49	Total Lost Revenues	-	-	-	-	-	531,995	531,995
Non-Residential								
50	Smart Saver® for Non-Residential Customers Lighting	-	-	-	-	-	280,686	280,686
51	Smart Saver® for Non-Residential Customers Motors	-	-	-	-	-	11,130	11,130
52	Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	-	-	-	-	94	94
53	Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	-	-	-	-	-	5,088	5,088
54	Smart Saver® for Non-Residential Customers - HVAC	-	-	-	-	-	22,692	22,692
55	Smart Saver® for Non-Residential Customers - Custom Rebate	-	-	-	-	-	306,501	306,501
56	Total Lost Revenues	-	-	-	-	-	626,191	626,191

(a) Year 2 of Vintage 2 lost revenues not shown here because Year 2 amounts being billed in Rider 3 will be true-up during the Vintage 3 participation true-up.

(b) Lost revenues were estimated by allocating estimated system lost revenues to SC retail. True-ups of estimated lost revenues are based on state specific amounts.

Duke Energy Carolinas
Rider 4 Exhibit 2
For the Period February 1, 2010 - December 31, 2012
Docket Number 2012-XXX-E
DSM/EE Revenues Collected from Riders (By Vintage)

Line			Actual 2010 Rider 1	Actual 2011 Rider 2	Est 2012 Rider 3 *	Total
	Residential					
1	EE and DSM	v1	11,158,939	2,523,002	5,453,455	19,135,396
2	EE and DSM	v2		15,053,260		15,053,260
	Non-Residential					
3	EE	v1	1,792,808	108,804	1,870,902	3,772,514
4		v2		3,721,352		3,721,352
5	DSM	v1	2,979,777		1,205,465	4,185,242
6		v2		5,017,013		5,017,013
7	Total		15,931,524	26,423,431	8,529,822	50,884,777

* Estimates computed using approved rates per Order No. 2012-202 in Docket No. 2011-420-E applied to projected sales per Rider 4 Exhibit 3

2013 Sales

Spring 2012 Sales Forecast - kWhs

Adjusted SC Retail Sales Forecast (excludes Greenwood sales)

1 Residential	6,464,392,000
2 Factor to exclude Greenwood	99.24877%
3 Residential sales excluding Greenwood	6,415,629,548
4 Non-Residential	14,399,305,000
5 Factor to exclude Greenwood	99.92639%
6 Non-Residential sales excluding Greenwood	14,388,705,672
7 Total Retail sales excluding Greenwood	20,804,335,220

Opt Out Sales

2011 kWh Usage	
Vintage 1 Opt Out	4,644,424,745
8 EE	5,716,297,155
9 DSM	
Vintage 2 Opt Out	5,237,655,663
10 EE	6,007,125,416
11 DSM	
Vintage 3 Opt Out	4,945,281,778
12 EE	6,017,961,552
13 DSM	
14 Vintage 4 Opt Out	
Use Vintage 3 as proxy	

Non-Residential Forecast Sales Less Opt Out

15 Total Non-Residential	V1 EE Rate	V1 DSM Rate	V2 EE Rate	V2 DSM Rate	V3 EE Rate	V4 EE Rate	V4 DSM Rate
16 Less V1 EE Opt Out	Components	Components	Components	Components	Components	Components	Components
17 Less V1 DSM Opt Out	14,388,705,672	14,388,705,672	14,388,705,672	14,388,705,672	14,388,705,672	14,388,705,672	14,388,705,672
18 Less V2 EE Opt Out	4,644,424,745	5,716,297,155	5,237,655,663				
19 Less V2 DSM Opt Out			6,007,125,416				
20 Less V3 EE Opt Out					4,945,281,778	4,945,281,778	
21 Less V3 EE Opt Out							
22 Less V3 DSM Opt Out							
23 Sales for Rider Calculation	9,744,280,927	8,672,408,517	9,151,050,069	8,381,580,256	9,443,423,894	9,443,423,894	6,017,961,552
							8,370,794,120

Factor to Exclude Greenwood Sales from Forecast

24 Total SC Residential Sales	6,697,008
25 Greenwood Residential Sales	90,310
26 SC Residential Sales excluding Greenwood	6,646,698
27 Total SC Non-Residential Sales	14,322,088
28 Greenwood Non-Residential Sales	10,543
29 SC Non-Residential Sales excluding Greenwood	14,311,545
30 Total SC Retail Sales	21,019,096
31 Greenwood Retail Sales	60,853
32 SC Retail Sales excluding Greenwood	21,079,949

Residential

Vintage 1	Revenue Requirement Incurred				D	GRT
	2010	2011	2012	Total		
1 EE + DSM avoided cost	15,763,048			15,763,048		
2 EE lost revenue	1,714,869	395,250		6,853,114		
3 Existing DSM avoided cost	918,526	4,742,995		518,526		
4 Earnings cap adjustment						
5 Total revenue requirement	(3,978,501)			(3,978,501)		
6 Number of months interest	13,447,942	4,742,995	395,250	19,556,187		
7 Monthly rate (WACC)	35.5	24	17.5			
8 Interest	0,006245	0,006245	0,005971			
	3,196,422	710,880	41,301	3,948,603		
9 Begin accrual	Feb 1 2010	Jan 1 2011	Jan 1 2012			
10 End accrual	Dec 31 2010	Dec 31 2011	Feb 1 2012			
11 Midpoint accrual	July 15 2010	July 1 2011	Jan 15 2012			
12 Midpoint refund period (Rider 4)	July 1 2013	July 1 2013	July 1 2013			
13 Number months midpoint accrual	35.5	24	17.5			
14 Number months midpoint refund						

[illegible]

Non-Residential

Vintage 1 - EE	Revenue Requirement Incurred			
	A	B	C	D
1 EE avoided cost	2010	2011	2012	Total
2 EE lost revenue	4,962,238			4,962,238
3 Earnings cap adjustment	571,894	1,329,724	94,144	1,795,762
4 Total revenue requirement	(1,124,033)			(1,124,033)
5 Number of months interest	4,410,099	1,329,724	94,144	5,633,967
6 Monthly rate (WACC)	35.5	24	17.5	
7 Interest	0.006245	0.006245	0.005971	
	977,708	169,323	9,837	1,156,868
8 Begin accrual	Feb 1 2010	Jan 1 2011	Jan 1 2012	
9 End accrual	Dec 31 2010	Dec 31 2011	Feb 1 2012	
10 Midpoint accrual	July 15 2010	July 1 2011	Jan 15 2012	
11 Midpoint refund period (Rider 4)	July 1 2013	July 1 2013	July 1 2013	
12 Number months midpoint accrual to midpoint refund	35.5	24	17.5	

Vintage 1 - DSM

Vintage 1 - DSM	Revenue Requirement Incurred			
	A	B	C	D
13 DSM avoided cost	2010	2011	2012	Total
14 Existing DSM cost	3,609,806			3,609,806
15 Earnings cap adjustment	1,222,411			1,222,411
16 Total revenue requirement	(723,716)			(723,716)
17 Number of months interest	4,106,501			4,106,501
18 Monthly rate (WACC)	35.5			
19 Interest	0.006245			
	910,844			
20 Begin accrual	Feb 1 2010			
21 End accrual	Dec 31 2010			
22 Midpoint accrual	July 15 2010			
23 Midpoint refund period (Rider 4)	July 1 2013			
24 Number months midpoint accrual to midpoint refund	35.5			
25 Weighted average cost of capital (WACC)	7.4938%	7.4938%	7.1650%	

NOTE A: Docket 2009-226-E

NOTE B: Wtd. Avg. 1 month Docket 2009-226-E and 11 months Docket 2011-271-E (7.1351%)

Rider 1	Amounts Collected				GRT	I = (D - H) * GRT Interest Due
	2010	2011	2012	Total		
Total collections	1,792,808	108,804	1,870,902	3,772,514		
Number of months interest	35.5	24	12			
Monthly rate (WACC)	0.006245	0.006245	0.005971			
Interest	397,461	16,308	134,054	547,823	1,004,536	611,808
Begin collection	Feb 1 2010	Jan 1 2011	Jan 1 2012			
End collection	Dec 31 2010	Dec 31 2011	Dec 31 2012			
Midpoint collection	July 15 2010	July 1 2011	July 1 2012			
Midpoint refund period (Rider 4)	July 1 2013	July 1 2013	July 1 2013			
Number months midpoint collection to midpoint refund	35.5	24	12			

Rider 1	Amounts Collected				GRT	I = (A - H) * GRT Interest Due
	2010	2011	2012	Total		
Total collections	2,979,777		1,205,465	4,185,242		
Number of months interest	35.5		12			
Monthly rate (WACC)	0.006245		0.005971			
Interest	660,609		86,374	746,983	1,004,536	164,604
Begin collection	Feb 1 2010		Jan 1 2012			
End collection	Dec 31 2010		Dec 31 2012			
Midpoint collection	July 15 2010		July 1 2012			
Midpoint refund period (Rider 4)	July 1 2013		July 1 2013			
Number months midpoint collection to midpoint refund	35.5		12			

Non-Residential

Vintage 2 - EE

	A	B	C	D
	2010	2011	2012	
1 EE avoided cost		8,470,195		
2 EE lost revenue		591,768		
3 Total revenue requirement		9,061,963		
4 Number of months interest		24		
5 Monthly rate (WACC)		0.006245		
6 Interest		1,358,207		
7 Begin accrual		Jan 1 2011		
8 End accrual		Dec 31 2011		
9 Midpoint accrual		July 1 2011		
10 Midpoint refund period (Rider 4)		July 1 2013		
11 Number months midpoint accrual to midpoint refund		24		

Vintage 2 - DSM

	A	B	C	D
	2010	2011	2012	
12 DSM avoided cost		5,153,612		
13 Existing DSM cost		1,195,660		
14 Total revenue requirement		6,349,272		
15 Number of months interest		24		
16 Monthly rate (WACC)		0.006245		
17 Interest		951,629		
18 Begin accrual		Jan 1 2011		
19 End accrual		Dec 31 2011		
20 Midpoint accrual		July 1 2011		
21 Midpoint refund period (Rider 4)		July 1 2013		
22 Number months midpoint accrual to midpoint refund		24		
23 Weighted average cost of capital (WACC)	7.4938%	7.4938%	7.1650%	NOTE A NOTE B

NOTE A: Docket 2009-226-E

NOTE B: Wtd. Avg. 1 month Docket 2009-226-E and 11 months Docket 2011-271-E (7.1351%)

	E	F	G	H	GRT	I = (B - F) * GRT Interest Due
	2010	2011	2012			
Total collection		3,721,352				
Number of months interest		24				
Monthly rate (WACC)		0.006245				
Interest		557,756			1.004536	804,082
Begin collection		Jan 1 2011				
End collection		Dec 31 2011				
Midpoint collection		July 1 2011				
Midpoint refund period (Rider 4)		July 1 2013				
Number months midpoint collection to midpoint refund		24				

	E	F	G	H	GRT	I = (B - F) * GRT Interest Due
	2010	2011	2012	Total		
Total collection		5,017,013				
Number of months interest		24				
Monthly rate (WACC)		0.006083333				
Interest		732,484			1.004536	220,139
Begin collection		Jan 1 2011				
End collection		Dec 31 2011				
Midpoint collection		July 1 2011				
Midpoint refund period (Rider 4)		July 1 2013				
Number months midpoint collection to midpoint refund		24				